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**REISSUE APPLICATION DECLARATION BY THE INVENTOR**

Docket Number (Optional)  
96-204

As a below named inventor, I hereby declare that:

My residence, mailing address and citizenship are stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is described and claimed in patent number 6,018,954, granted February 1, 2000, and for which a reissue patent is sought on the invention entitled HEAT PUMP SYSTEM AND METHOD FOR AIR-CONDITIONING

the specification of which

☒ Is attached hereto.

☐ was filed on \_\_\_\_\_ as reissue application number \_\_\_\_\_ / \_\_\_\_\_  
and was amended on \_\_\_\_\_  
(If applicable)

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I verify believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all boxes that apply.)

☐ by reason of a defective specification or drawing.

☒ by reason of the patentee claiming more or less than he had the right to claim in the patent.

☐ by reason of other errors.

At least one error upon which reissue is based is described below. If the reissue is a broadening reissue, such must be stated with an explanation as to the nature of the broadening:

SEE ATTACHED STATEMENT

Statement of Error with Explanation as to Broadening

This is a broadening reissue. This reissue is based upon errors in the claims as set forth above wherein 1) the units are required to be substantially similar (claims 1, 2, 12, 14, 19, 21, 23, 25, 27 and 28); 2) claims 1 and 2 are limited to counter-flow air/brine heat exchangers and compressor means for reversing sense of circulation; and 3) failure to claim a dehumidification system which is disclosed and enabled by the specification, and which is the subject of a published PCT Application believed pending in the United States with which an Interference is sought.

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Approved for use through 01/31/2002. GMS 0591-0022  
U.S. Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE

## (REISSUE APPLICATION DECLARATION BY THE INVENTOR, page 2)

Serial Number (Optional)

99-204

All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant. As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and conduct all business in the United States Patent and Trademark Office connected therewith.

Name(s) Robert H. Bachman Registration Number 19,474

Gregory P. Lapointe 28,306

Barry I. Kelmacher 28,696

George A. Gury 34,309

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☐ Customer Number

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed.

Full name of sole or first inventor (given name, family name)

Gad Kassaf

Inventor's signature

*Gad Kassaf*

Date

January 20, 2002

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Citizenship

Israel

Mailing Address Same as above

Full name of second joint inventor (given name, family name)

Inventor's signature

Date

Residence

Citizenship

Mailing Address

Full name of third joint inventor (given name, family name)

Inventor's signature

Date

Residence

Citizenship

Mailing Address

☐ Additional joint inventors are named on separately numbered sheets attached hereto.

(Page 2 of 2)

PTO/SB/96 (05-96)  
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U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

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# **REISSUE APPLICATION: CONSENT OF ASSIGNEE; STATEMENT OF NON-ASSIGNMENT**

Docket Number (Optional)  
96-204

This is part of the application for a reissue patent based on the original patent identified below.

Name of Patentee(s)

Gad Assaf

Parent Number

6,018,054

Date Patent Issued

February 1, 2000

Title of Invention

HEAT PUMP SYSTEM AND METHOD FOR AIR-CONDITIONING

1. ☐ Filed herein is a statement under 37 CFR 3.72(b). (Form PTO/SB/96)
2. ☒ Ownership of the patent is in the inventor(s), and no assignment of the patent is in effect.

One of boxes 1 or 2 above must be checked. If multiple assignees, complete this form for each assignee. If box 2 is checked, skip the next entry and go directly to "Name of Assignee".

The written consent of all assignees and inventors owning an undivided interest in the original patent is included in this application for reissue.

The assignee(s) owning an undivided interest in said original patent is/are \_\_\_\_\_  
and the assignee(s) consents to the accompanying application for reissue.

Name of assignee/inventor (if not assigned)

Gad Assaf

Signature

Date

Jan. 25, 02

Typed or printed name and title of person signing for assignee (if assigned)

**Order Hour Statement:** This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS, SEND TO: Assistant Commissioner for Patent, Washington, DC 20231.

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